

IN THE ABSTRACT

Please replace the Abstract of the disclosure with the following:

A Multi-Energy Computed Tomography (MECT) System is provided. The system includes a radiation source rotatable about a patient, a radiation detector, and a computer coupled to the radiation source and the radiation detector wherein the computer is configured to receive data regarding a first energy spectrum of a scan of a head of the patient, receive data regarding a second energy spectrum of a scan of the head, and generate an image using the received data.